

**FIG. 1****NUCLEOTIDE AND AA SEQUENCE**

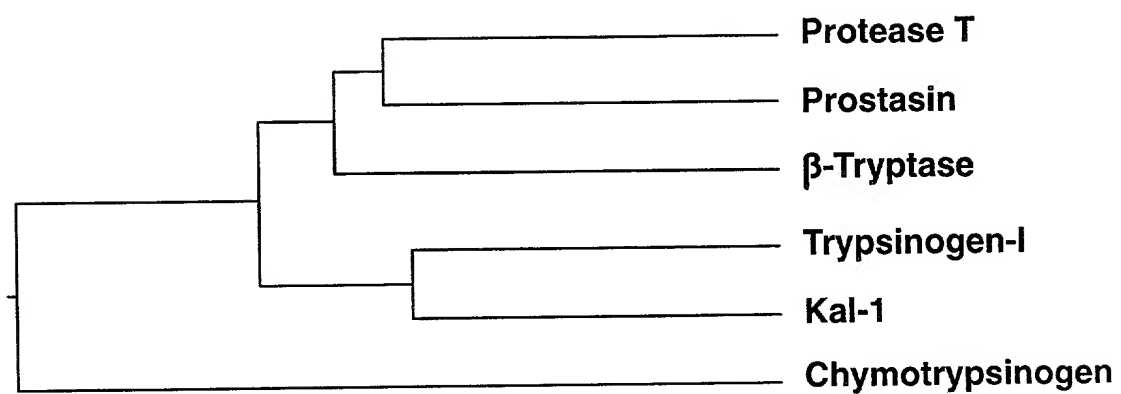
Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGGCGCGGTGCCGC  
 TCCTGCTGCTGCTGTGT'TTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTCGCC  
 CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC  
 AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT  
 GGGTCCTGACGGCTGCGCACTGCT'TCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC  
 TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCGGGTGAGGC  
 AGGTGGAGAGCAACCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGG  
 AGCTGGAGGCACCAAGTGCCTTACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT  
 CGGTGATCT'TTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAGG  
 AAGACCTCCTGCCCCGAACCGCGGATCCTGCAGAAACTCGCTGTGCCCATCATCGACACAC  
 CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAACCCAAAACCATCA  
 AGAATGACATGCTGTGCGCCGGCTTTCAGGAGGGCAAGAAGGATGCCTGCAAGGGCGACT  
 CGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTCGTGGCTGCAGGCGGGGGTGATCAGCT  
 GGGGTGAGGGCTGTGCCCCCAGAACCGCCAGGTGTCTACATCCGTGTCACCGCCCCACC  
 ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCCAGCCAGCGAGGTTGGGCGGCC  
 AGAAGTGAGACCCCCGGGGCCAGGAGCCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCCG  
 CCCACACCATCCTGCTGGTCTCCAGCGCTGCTGTTGCACCTGTGAGCCCCACCAGACT  
 CATTTGTAAATAGCGCTCCTTCCCTCCCCTCTCAAATACCC'TATTTTATTTATGTTTCTC  
 CCAATAAAAACCCAGCCTGTGTGCCAGCTG

&gt;Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

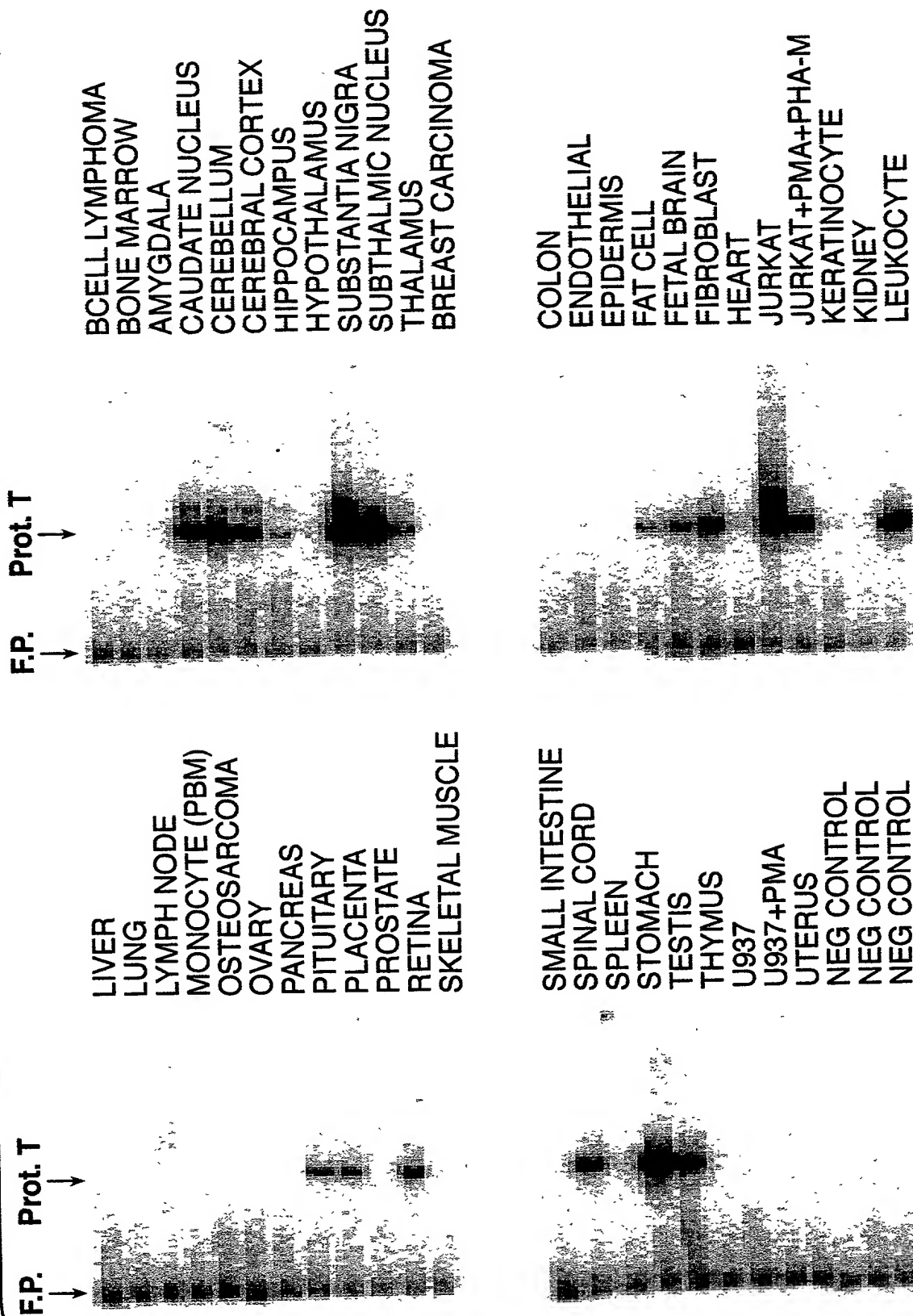
MRRPAAVPLLLLLLFCGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC  
 GGSLIAEQWVLTAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA  
 SSADVALVELEAPVPF'TNYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK  
 LAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS  
 WLQAGVISWGEGBARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

**FIG. 2**



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**FIG. 3**



## FIG. 4

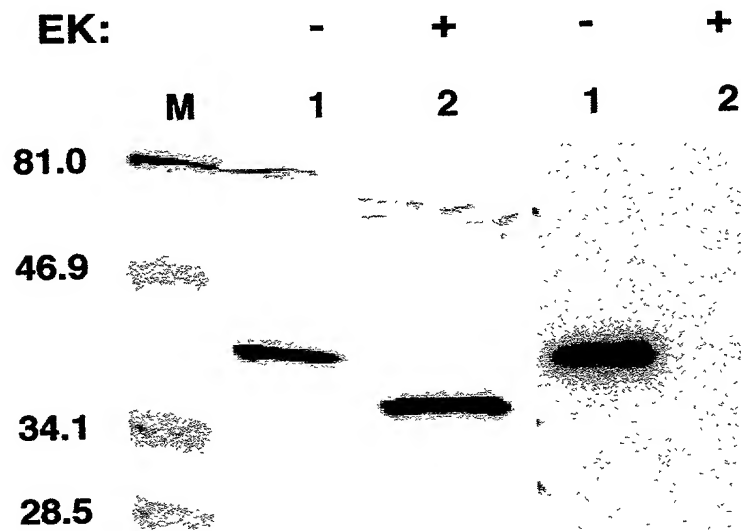
### FUSION PROTEIN

Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTTCGACAGAAATCCCGCCTGCTCCTGCTGCTG  
GTGGTGTCAAATCTACTCTTGTTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC  
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT  
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC  
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC  
ACCTCTGAGACGTCCCTGTACCAGGTCTGCTGGGGGGCAAGGCAGCTAGTGCAGCCGGGA  
CCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGCAGC  
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTAC  
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG  
GTCACTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACCGCGGATCCTGCAG  
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC  
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG  
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGCCCCCTGGTGTGCCTCGTGGGGTCAG  
TCGTGGCTGCAGGCGGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCCGCCAGAACCGCCCA  
GGTGTCTACATCCGTGTCAACGCCACCACAACCTGGATCCATCGGATCATCCCCAACTG  
CAGTTCCAGCCAGCGAGGTTGGGGCGGCCAGAAGTCTAGACATCACCATCACCATCACTAG  
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATACATTGATG  
AGTTTGGACAAACCACAACCTAGAAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG  
ATGCTATTGCTTTATTTGTAACCATTTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE  
GEWPWQVSIQRNGSHFCGGSLIAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM  
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGW  
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKD  
ACKGDSGGPLVCLVGQSWLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQP  
ARLGGQKSRHHHHHH

**FIG. 5****Protease: PFEK-Protease T-HIS**

**FIG. 6****Protease Activity of Protease T**